PUBLIC WORKS, IRELAND.

EIGHTY-FIFTH ANNUAL REPORT

OF THE

COMMISSIONERS OF PUBLIC WORKS

IRELAND:

WITH

APPENDICES

FOR THE YEAR ENDING 31st MARCH, 1917.

Presented to both Bouses of Parliament by Command of Bis IRajesty.



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Public Loans Advances.—An Account showing the Receipts and Expenditure of the Commusioners of Public Works, in the year

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PUBLIC WORKS, 1RELAND.

EIGHTY-FIFTH ANNUAL REPORT

OF THE

COMMISSIONERS OF PUBLIC WORKS IN IRELAND-FOR THE YEAR 1916-17.

TO THE LORDS COMMISSIONERS OF HIS MAJESTY'S TREASURY.

MAY IT PLEASE YOUR LORDSHIPS,

We beg to submit the Eighty-fifth Annual Report of the Board.

- The report deals with the business of the year under the following heads:—
 (1.) Public Works and Buildings, including National and Ancient Monuments.
 - (2.) Railways and Tramways.
 - (3.) Loans.

The body of the Report contains statements and observations on matters under each of the three divisions which appear to deserve special notice. Details as to the various services are given in the Appendices.

(1.)-PUBLIC WORKS AND BUILDINGS.

Details of the provision made by Parliament for the year 1916–1917 for Public Works and Buildings (Ireland) will be found at pp. 65–74 of the Civil Service Estimates for that year under the following principal heads:

Naval (Coset Guard Buildings) and Military (Royal Hospital and Royal Hibernian Military Soloo)); State and Official Residences; Civil Departments; Logal Departments; Dubis Metropolitan Tolice; Royal Irish Constabulary; Dundrum Criminal Lunatio Asylum; Public Education; Revence Departments.

Royal Parks and Gardens :--

Phonix Park; St. Stephen's Green; the Curragh of Kildare.

Royal Harbours:-

Kingstown; Howtb; Donaghadee; Dunmore; Ardglass.

Ancient Monuments under the Ancient Monuments Protection Acts, 1882 and 1892 (45 & 46 Vio., c. 73, and 55 & 56 Vio., c. 46).

In addition to works, &c., for which provision is made by Vote of Parliament, Part (I.) of this Report deals with expenditure up to date under the Sea Flaberies (Reland) Act, 1883 (46 & 47 Vic., c. 26), and the Marine Works (Ireland) Act, 1902 (2 Edw. VII., c. 24). 6

Before the effect of the var on the business of the Board had made itself rayl felt, one of its members Cit. Hanson) was detailed for service in the Var Obje, (Contracts Branch), since transferred to the Ministry of Munistrans. Twelve members of our electical start and non member of the Ministry of Munistrans. Twelve members of our electical start and not member of the derived traff has the War the Ministry of Munistry of the Ministry of the Ministry of the the National Service Department and one to the Department of Agriculture and Tochnical Instruction.

Of the Secretariat and Accountant's Sidé eight (three of whom have obtained commissions) are serving either in the Peritorical Forces on in the new Army. Fur Land Lona Europeotors and one Assistant Surveyor have accepted commissions of the Commission of the Commis

Of the Office Messengers, three are serving in the Army or Navy and one has been lent to the National Service Department.

The war has increasingly affected every branch of the Board's business, hy necessisting a ordenion in the provision for expenditure, and by raining the cost of anyplica. As regards new works, the grovision in the Estimates 1916-17 was limited to works of absolute necessity, and the expenditure on maintenance has been kept to the lowest figure compatible with due care for the property in the Board's charge.

The suspension of loans, except where satisfactory evidence is produced that the work cannot be postponed without direct danger to the public health, has practically reduced the Board's loan operations to the financing of loans previously sanctioned.

PHENTX PARK.

In view of the Regulations for the increase of food production, the Rosed, at the beginning of 1917, took steps, at the decise of the Irida Government, for the cultivation of portion of the hada within the boundaries of the Phonis Furk. Owing to the requirements of the military submirities, the nature of the soil, and the cost of the Chief Secretary and Under Secretary wave formed to be the official residence of the Chief Secretary and Under Secretary wave formed to the contract of the purpose, and skirty-five secret of these hands have been ploughed and sown with osts.

In order to provide allotments, the Board obtained from the military authorize the surgender of ortain lands on the linchisors North and Longmondove Entsies and also took up hand from a tenant of the former estate under the power reserved to them in his lesse. They were thus enabled to provide forty-nine acree for allotments, thirty-three seree being let to the Doblin Corporation, four to the Vacant Land Coultriation Society, and twelve to Messra. A Guinness Son & Co.

SEA FISHERIES (IRELAND) ACT, 1883. 46 & 47 Vic., c. 26. Position of the Sea Fisheries Fund.

Of the £250,000 provided by the Sea Fisheries Act from the Irish Church Fund for the erection and improvement of Fishery Piers and Harbours the Balance remaining unspent on the 31st March, 1917, was £1,097 5s. 3d.

There were no transactions during the year,

MARINE WORKS ACT, 1902.

2nd Ed. VII., c. 24.

of the sum of £100,000 allocated for works under the Marine Works Act, an expenditure of £33,611 had been authorised up to the close of the financial year. No use works were undertaken during the year. The works already constructed have been efficiently maintained.

NATIONAL SCHOOL BUILDING GRANTS.

The following table shows the amounts voted for and expended on grants in each of the last twenty years:—

Your	Provision.	Expenditure	Year	Provision.	Expenditure
1897-8 1893-9 1893-1999 1890-1 1991-9 1993-9 1903-8 1903-8 1903-8 1903-6 1903-7	 6 40,000 33,500 60,000 40,000 35,000 35,000 12,500 20,800 20,800	88,560 27,132 32,109 38,554 25,506 33,380 13,143 18,745 26,097 13,457	Brought forward 1907-8 1908-9 1909-10 1919-10 1919-12 1912-13 1918-14 1914-15 1915-16	8 301,800 40,000 61,000 65,000 65,000 65,000 65,000 65,000 65,000 65,000 65,000 65,000	267,572 4,544 26,829 54,360 67,971 37,583 36,157 51,157 88,730 45,685 0,269
Carried forward	991,000	267,872	Totals .	864,000	650,841

The temporary postponement of building grants owing to the financial postion sciago unt of the war still continues. The evention of now schools to only being undertaken in very special cases. Sixtoen now schools were completed under contract by the Board during the period under report. Eleven new schools, representing an expenditure of £7,572, of which £943 was locally contributed, were under construction by the Board at the end of the financial year.

In twenty-four cases where the building of the new schools had been postponed, grants were given to enable repairs to be carried out to render the existing school building serviceable during the period of suspension of grants for the new buildings to replace them.

Your Lordships have also authorised within a limit of £2,000 the issue of grants for small educational fittings and furniture in sobools; for such works as improved evaliation, lighting, heating, or sanitary arrangements urgently required in the interests of the health of the children; and for works urgently necessary for, the preservation of the structure of an existing sobod?

ANGIENT AND NATIONAL MONUMENTS.

(Irish Church Act, 1869; Ancient Monuments Proteotion Acts, 1882 and 1892; Irish Land Act, 1903.)

Works of repair and maintenance have been carried out at a great number of Ancient and National Monuments. (See Appendix E.).

(2) RAILWAYS.

LETTEREENNY RAILWAY.

The work of strengthening the girder bridges was proceeded with, by the employment of a contractor

SLIGO AND BELMULLEY STEAMER SERVICE.

Particulars were given of the working of this service (established in 1899 under Realbrawy, (Iradin) Art, 1890) in the Commissioners (Popert for 1904, and further details were included in their Beport for 1914. The contract of the 1914 and the service of the 1914 and the service of the 1914 and the service of the 1914 and the 1914 and 1914 and

(3) LOANS.

Advances, Repayments, and Arrears.

The earliest mention of Public Works Loens to be found in the abstract (Appendix F.) submitted by the Board is in connection with the Statute 57 Geo. III., c. 34, passed in 1817. The total of all loan advances from that date to 31st March, 1917 (with certain loans made under special Acts before 1817), is \$51,521,592.

The classified abstract in Appendix (F.), pages 24 to 27, shows the portions of this amount which have been (1) repaid, (2) remitted, (3) written off from Local Loans Fund, or (4) which remain outstanding. The figures showing repayment, remission, &c; of the total sum advanced are as follows:

								£
Total Repayments								33.840.248
Total Remassions								8,160,308
Written off the assets	of t	hs Local	Longs	Fund.	but still	logally	out-	
standing against b	orrow	ers, less i	428 re	onvered				-188,590
Portion of Church Fu	nd Lo	ans regar	ded as	irrecey	erable		- :	7.680
Ontstanding Balances						- 1	- 1	9,324,676
								451 K91 KN9

The aggregate of outstanding balances is represented in the books of the 60th of 93,8,600 eyes accounts. A large sum is repayable by annuity, viz.—Loans secured on Lands, Class III. (orcheding Land Improvement Preliminary Expense), Miscellancous Loans, Class IV. and certain other Leans included in Classes Land II. (p. 24), but the loans generally are in course of repayment by half-yearly installments.

The amount issued to borrowers in the year 1916-1917 was £148,197, as against £414.821 in 1915-1916.

The issues for 1916-17 show a decrease of £266,624 as compared with 1915-16.

Of the total amount of £148,197 issued, £142,843 was advanced on the following
Services:

Services :	issueu,	2142,843	was	advanced	on	the lollowing
Public Health	. 1					£ 6,432
Lunstie Asylum Baildings . Housing of the Working Classes						4,850

The receipts in the year were £417,139 in repayment of principal, and £344,112 is respect of interest, making together £761,251. Of this sum £749,482 was paid over by the Board to the National Debt Commissioners in discharge of principal and interest on foot of loans made out of the Local Loans Fund, and £11,616 to the Inda

1916-1917] COMMISSIONERS OF PUBLIC WORKS IN IRELAND

Land Commission in respect of loans advanced out of the Irish Church Fund. The num of £153 recovered in respect of loans written off was paid over to His Majestly's Exchequer during the year.

The following table shows the payments towards discharge of Loans, and the greats of principal and interest for the last four years:—

YEAR		Payments		ARREAM		Total Principal outstanding (excluding
		74,2340	Principal	Interest	Total	Amounts written off, or regarded so irrecoverable)
1913-1914 1914-1915 1915-1916	:	783,549 767,462 769,116	49,910 146,723 138,881	23,908 10,678 15,924	178,818 166,601 154,805	9,544,300 9,003,169 9,594,544

The following Abstract shows the arrears on the various loan services in each of the past two years:—

man in		st March	1916	To 51	st March,	1917	Principal Amount out
	Principal	Interest	Total	Principal	Interest	Total	on Slat March, 1917
outing Locas outing Locas always ther Fablic Works Locas and Locas payable by Owners com writer Land Law Act, 1881, payable by Occupiers	6 100,746 12,082 13,100 5,475	492 1,100 5,494 1,149	101,238 13,992 13,600 0,603	8 538 93 98,925 13,971 13,178 4,928	270 53 205 1,820 5,318 080	808 146 99,130 15,797 18,491 6,897	1,091,803 1,971,696 181,743 4,094,840 970,649 431,031
storial Drainage Charges, payable by Owners storial Drainage Charges, payable	7,052	6,170 810	18,199	4,208 047	2,790 616	6,098	123,105

⁽a) Decirating Amounts, 4189,019, and 181,000 | 184,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000 | 186,000

The arrears on all the loans services as compared with 31st March, 1916, show a decrease of £6,555.

The arrears on loans for Railways show a decrease of £2.098, made up as follows:—Southern Railway, £1,479; and Letterkenny Railway, £619.

Arrears on other Public Works Loans show an increase of £1,895.

Arrears on Land loans, payable by owners, were £18,491, as against £18,600 on 31st March, 1916, a decrease of £109.

The issues made in the year under section 31 of the Land Law (Ireland) Act, 1881, brought the total advances to occupiers of land for the improvement of their holdings to £1,637,032, of which £1,201,924 has been repaid. The arraws stood at £5,937 at the close of the year, as against £6,623 on 31st March, 1916—a decrease of £726.

The arrears on Arterial Drainage charges payable by owners show a decrease of 45,224, and on the charges payable by occupiers in the River Suck Drainage District a decrease of 5247

46.224, and on the charges payable by occupiers in the Kiver Suck Drainage District a decrease of \$250.
The following statement of arrears on loans to owners and occupiers of land under various headings shows that in the seven years since 1910 the arrears have been reduced from \$25.494 to \$23.567. a drop of \$250.862, qual to \$49 event. =-

10

F1916-1917

19,324,676

ARREADS ON OUNTAIN LOAN SURVICES (OWNERS AND OCCUPIESS OF LAND) ON 31ST MARCH IN THE YEARS 1910 TO 1917, INCLUSIVE.

ARREARS OF	SIST	MARKET

			24000	LILLED OF				
Service	1910	1911	1912	1913	1914	1915	1916	1917
	£	Ē	£	£	£	£	4	-
River Drainage, 26 & 27					15.012	1.000		
Vic., cap. 88	15,414	15,977	15,338	15,121		14,636	14,028	7,560
River Drainage Maintenance	850					011	426	421
Improvement of Lands .	15,387	14,275	13,798	13,138	12,200	10,828	9,637	9,458
Land Law, 44 & 45 Vic., can.								
49 (Sec. 31)	15,976	13,727	11,796	10,319	9,155	7,881	6,623	5,896
Advances to tenants for pur-								-,
chase of farms'	4,630	3,955	3,647	3,060	2,696	2,445	2,250	8,317
Irish Church Fund Loans	.,	,						
segured on lands	10.292	10.608	9.887	9.432	9,200	8.119	6.718	6,715
	prou		-,007	-100	.,	1000	-,,,,,,	.05715
	262.549	658,626	£54.558	£51.652	£48,786	£44.420	£39.675	£32.867
Advances to tenants for pur- chase of farms. Irish Church Fund Loans	10,292	654 14,275 13,727 3,953 10,038	592 13,798 11,796 3,647 9,387 £54,558	582 13,138 10,319 3,060 9,432 £51,652	514 12,209 9,155 2,696 9,200 £48,786	511 10,828 7,881 2,445 8,119	426 9,637 6,028 2,250 6,718 £39,675	1

In respect of these services, on the 31st March, 1917, the percentage of the combined total of written off sums and principal in arrear to the total principal repayable up to that date, £7,578,633, was only 1.03.

RATES OF INTEREST.

By Treasury Minute of 31st March, 1916, the rates of interest on new loans advanced on the security of local rates were fixed at 5 per cent. for periods not exceeding 30 years, and at 52 per cent. for periods exceeding 30 but not exceeding 50 years, A later Minute dated 26th March, 1917, increased each of these rates by one-half per cent.

Loans to Local Authorities for any purposes of the Housing Acts are made at the minimum rate fixed for loans secured on local rates for any period. The following statement shows the rates of interest chargeable on the several amounts constituting the aggregate halances of principal outstanding on all the loan services in each of the years ended 31st March. 1915, 1916, and 1917, respectively;

31st March, 1915 31st March, 1916 31st March, 1917 Free of Interest 820 176 176 23 per cent. 104,530 93,649 82,966 51,334 49,773 37 400,943 369,182 336,538 £3 2s. 9d. per cent. 3.133 2,088 1,044 per cent. 953,697 906.804 800 400 107,209 101.544 4,962,499 4,799,199 4.601.941 3 1.911.969 1,895,019 1,868,202 658,260 741.058 717,187 41 454,593 449,906 443,011 4 145,474 140,513 331 98,917 328 200 Total Local Loans Fund 9,555,274 9,559,365 9,301,088 Church Fund Loansat 1 per cent. 50.895 35,179 23,588 *9,606,169 19.594.544

^{*} In addition to—£186,984 written off from the Account of the Assets of the Local Local Fund, and -27,265 portion of Church Fund Loans, considered as irrecoverable. -£187,998 written off from the Account of the Assets of the Local Loans Fund, and

^{- 47,680} portion of Church Fund Loans, considered as irrecoverable.
- £186,013 written off from the Account of the Assets of the Local Loans Fund, and £7,680 portion of Church Fund Loans, considered as irrecoverable.

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Statement showing the average rate of interest in respect of advances from the Local Loans Fund during the last ten years, calculated by computing the interest paid in each year on the principal outstanding at the end of the preceding year.

	Year end	ed.			Belonce outstanding,	Interest received in the execute year.	Average rade of Interest received for the year,
31st March.	1907				£ 4. d. 9,669,549 2 11	£ s. d. 343,193 1 5	£ a. d. 3 11 0
	1906.				9,642,403 8 4	351,011 5 2	3 12 10
10	1960.		- 1	- 1	9,575,420 2 4	337,407 18 8	3 10 6
	1910.				9.440.258 17 8	338.462 0 10	\$ 11 8
	1911,				9.368,546 7 7	334.840 10 B	3 11 B
	1912,				9,379,695 17 11	337,863 5 7	3 12 0
	1913.				9.491.528 11 4	341,180 1 5	3 11 10
	1914,				9,474,515 6 10	341,348 6 9	8 12 1
	1915.				9,555,273 14 11	342,976 1 0	3 11 9
,,	1916.		- 1		9,559,364 18 6	344,066 1 10	3 11 10

We have the honour to be,
Your Lordships' obedient Servants.

GEORGE A. STEVENSON.
PHILIP HANSON.
T. P. LEFANU.

J. J. HEALY. Secretary. 12th October, 1917.

12m October, 1917.

APPENDICES.

APPENDIX (A).

DETAILS OF VOTED SERVICES.

The works for which provision was made in the Estimates for Public Works and Buildings (Ireland) in 1916-17 have been carried out.

STATE AND OFFICIAL RESIDENCES.

Dublin Castle.—The official residences in the Upper Castle Yard continue to be used as a Military Hospital in connection with the War under the directions of the City of Dublin Branch of the Red Cross Society.

NAVAL AND MILITARY BUILDINGS.

Naval Works.--Various works were undertaken for the Admiralty in different parts of the country in connection with the war.

Ministry of Musisions.—At the request of the Ministry the Board undertook and carried out the construction of a Munition Inspection Bond in Dublin. National Shell Factory, Dublin —Extensive additions and alterations were carried

out during the year. National Shell Factories at Cork and Waterford .- Alterations were carried out at these factories.

CIVIL DEPARTMENTS

Heating of National Museum, Royal College of Science, and new Public Offices.-Substantial progress was made with the erection of the new boiler-house and contingent works in connection with the heating of these buildings.

New Public Offices.—The erection of these offices has been continued and good progress made during the year.

Labour Exchange.—The new Labour Exchange and Divisional Offices in Lord Edward Street, Dublin, were almost completed at the close of the year. POSTAL AND TELEGRAPH BUILDINGS.

Amiens Street Parcel Post Depat. - Restric light and power installations were carried out at this building. DISTURBANCES IN DUBLIN.

During the disturbances in the month of April a number of the Public Buildings suffered injury. The General Post Office was almost wholly destroyed, little more than the outer walls escaping. The extensive premises known as "The Linen Hall Barracks" were entirely

destroyed; Coleraine House, a separate building, alone escaped injury. Considerable damage was also done to parts of the Four Courts buildings, which

has since been made good. Following the destruction of the General Post Office, temporary arrangements were made for providing accommodation for the various staffs of the Department to enable Postal and Telegraph business to be transacted.

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ROYAL HARBOURS.

Kingstons Hardour.—The work of repairing the damage done by the great storm of November 1915 was steadily groeceded with during the year, together with the ordinary maintenance of the hewkwater, piers, roads, slips and proper Hant, rods, and machinary were kept in ropair. Deedging to improve the Hardon was demanded at the control of the proper description of the property of the p

The storm damage restoration included the repair and re-creation of the East Reakwater parapets, together with concrete paving, as found necessary, on the upper and lower levels, and the making good of the sea-slope breaches. The West Breakwater breach was also built up and the surface reformed as hefore. Shaken imbering of the Cartille Pier was r-f-astened.

For the Admiralty authorities various moorings were laid in the Harhour, and all assistance required by them and by the military was given.

Howth Horbow.—The piers, wharves and roads were maintained in good order, and minor damage caused by the extraordinary gale of 12th November, 1915, was repaired.

No dredging was done, but herth clearance was carried out by hand labour at low tides as required. Buoys and moorings were properly attended to, and at the East Breakwater a wharfage space was provided for the Admiralty.

Dumore East Harbow—At the end of Cotober and middle of Novumber violent gales caused onniderable damage to the sea slope of the pier and further heavy weather in February increased the injury. Repairs were began at the new year and were puthed on as weather permitted, good progress being made to the end of the financial year. Wharves, roads, moorings, stores and buildings were properly maintained, and the berths were examined and cleared by a diver a required.

Arighas Harbour—The pier, wharva, roads, stores and buildings were properly maintained. Heavy weather in winter and spring swept the Harbour and did minor damage, which was repaired from time to time and is in progress. Buoys, moorings, crame and lighting were properly attended to, and plant and tools kept in good condition. Work at herth improvement is still suspended owing to the war.

Domaghades Harbour.—The wharves, roads and hulldings were maintained in good offer and repair to the sea slopes attended to as required.

The cranes, beacon, plant and tools were overhauled and kept in proper condition

RIVER MAIGUE NAVIGATION.

The swing-hridge was repaired, and the collector's house and premises were kept in good order.

HARBOUR AND COAST PROTECTION WORK.

Tramore Protection Works.—The final instalment of £1,000 to complete the grant of £4,000 to the Waterford County Council, who are undertaking the work, could

SHANNON DRAINAGE.

not he paid during the year as the scheme was not finished.

All the sluices being found in good condition generally, only minor repairs were required, at small expenditure.

and repair.

APPENDIX (B)

DETAILS OF NON-VOTED SERVICES.

ABTERIAL DRAINAGE.

Owenmore Drainage District .- The further consideration of a complete scheme of Drainage for this district has been suspended during the way

HARBOURS

Foynes Harbour, County Limerick.—Instalments amounting to £1,500 of the load of £2,000 sanctioned by Your Lordships in January 1915 for the construction of a ferro-concrete wharf wall, having been paid during the previous financial year, no further application for an instalment was received during this year.

MARINE WORKS ACT, 1902.

The Marine Works constructed under the above-mentioned Act have been maintained in an efficient state of repair.

SHANNON NAVIGATION

The locks and their gates, the bridges, buildings, cranes, embankments, townstas, wharves, piers, jetties, weirs, drains, fences, beacons, piles, buoys and floating plant have been maintained in good condition: and a total quantity of 2,032 tons of material has been dredged from the navigation course during the year.

The total tonnage carried over the Navigation was 65,389 tons, being a decrease of 7.703 tons compared with the previous year.

The falling off is chiefly due to the general dislocation of trade owing to the war, but also to stoppage of traffic for nearly four weeks by frost.

Arbitrations under "The Railways (Ireland) Acts," (1851, 1860, 1864)

14 & 15 Vic., c. 70; 23 & 24 Vic., c. 97; and 27 & 28 Vic., c. 71.

No arbitration was applied for during the year.

INQUIRIES INTO TRAMWAY PROJECTS.

23 & 24 Vic., c. 152; 24 & 25 Vic., c. 102; 34 & 35 Vic., c. 114; 39 & 40 Vic., c 65; 44 & 45 Vic., c. 17; and 46 & 47 Vic., c. 43. No inquiry was beld under these Acts during the year.

IMPROVEMENT OF LAND ACT, 1864; LIMITED OWNERS' RESIDENCES ACTS, 1870, &c. 27 & 28 Vic., c. 114; 34 & 35 Vic., c. 84; 40 & 41 Vic., c. 31, &c.

No Provisional or Absolute Order has been made under these Acts during the year

APPENDIX (C). LOANS SECURED ON RATES

SUPPLY OF SEEDS AND MANURES, No. 41 in Abstract p. 26.

Twenty-one loaus amounting to £25,834 were advanced to Rural District Councils during the year

Housing of the Working Classes Acts, 1890 to 1908, No. 17 in Abstract, p. 24. Two applications for loans, amounting to £3,000, were received during the year from Urban Authorities, as compared with five applications for £27.656 last year.

Public Health Acts, No. 19 in Abstract, p. 24.

One loan-amount £1.345-was sancticned.

One loan, amounting to £500, was sanctioned under the Public Health Act of 1878, as compared with the figures, eleven, and £19,155, for the previous year. The total amount of loans authorised for sanitary purposes since the passing of the public Health Act, 1878, stood as £4,377,473 on the the 31st March, 1917, and the total amount issued at £4,271,704. The distribution of the sum authorised amongst different sanitary purposes is as follows:-

Water Works	***	11.1	***	£1,790,45
Sewerage				812,69
Buildings				1,003,80
Streets				750,29
Other purposes	***	***		20,22
				£4,377,47

Workhouse Buildings, No. 23 in Abstract, p. 24.

One loan of £1,000 was sanctioned during the year.

CLASS (III).-LOANS SECURED ON LANDS.

This class comprises, in addition to loans made to tenants for purchase of their holdings, in accordance with the provisions of the Landlord and Tenant (Ireland) Act, 1870, the following loans, having for their object the improvement of land :-

(c.) Loons for Arterial Drainage under 5 & 6 Vic., c. 89.
 (b.) Loons for Arterial Drainage works under 26 & 27 Vic., c. 88, and loons made for the Maintenance

of Arterial Designage works (29 & 30 Vic., c. 49). (c.) Loans to Owners of lands for Improvements under 10 Vic., c. 32, and amending Act

(d.) Loans to Queuplers of lands for improvements under sec. 31 of the Land Law (Ireland) Act, 1881 (44 & 45 Vio., c. 49).

Arterial Drainage, Nos. 26, 27 and 40 in Abstract, v. 26,

From 1842 to 1863 loans for Arterial Dramage were made under 5 & 6 Vic., c. 89; £2.082.052 was lent under this Statute, the greater part during and after the Famine of 1847. Of this amount £1,207,605 was remitted, and £874,447 repaid From 1863 loans for this purpose have been made under the Drainage and Improve-

ment of Lands Act (Ireland), 1863, 26 & 27 Vic., c. 88, and amending Acts. entire amount of such loans up to 31st March, 1917, is £855,104, including £6,136 lent out of the Irish Church Fund. No advance was made during the past year. The amount advanced to 31st March, 1917, under 29 & 30 Vio., cap. 49, for Drainage Maintenance was £63,912. No loan was made last year.

LAND LOANS SERVICES.

The following table gives (1) the number of applications for leasa and the amounts inseed under the Land Improvement Acts, 10 Vic., e. 92; 13 & 14 Vic., e. 19; 29; 38 Vic., e. 40, &c, No. 22 in Abstract, p. 22; in each year from 1847, when this commenced, to 52 ist March, 1917; (2) similar information as to leasn, under sex. 31 of the Land Law (Ireland) Act, 1881, No. 30 in Abstract, p. 26 (made principally to the Land Law (Ireland) Act, 1881, No. 30 in Abstract, p. 26 (made principally to the Land).

The figures as to the last-mentioned loans should, strictly speaking, come under the head relating to them (page 18), but it has been considered desirable to present in one view the operation of both services, which have a common object.

Land Improvement Acts (10 Vic., c. 32, &c.), And Land Law (Ireland) Act. 1881, Sec. 31 (44 & 45 Vic., c. 49)

			Land la	spennoment Late,			Lond 2	Reprovement Acts,	feed,	Low Ast, 581.
	Year.		No. of Appli- collens.	Amounts Issued,	Yes		No. of Applica- tions.	Amounts lovard.	Appli-	Amount Lotted.
847.			1.354	72,790	Personal	forward,	10,387			£
848,	***	***	571	356,160	1880-S1.					
849.		***	643	379,836	1881-82.		638	(a) 786,659	-	-
850.	•••	•••	436	250,324	1882-83.	***	401	(a) 298,583	h	-
.851.	•••	***	280	145,653	1883-84.	***	451	(a) 138,536	5,682	159,7
852.		***	164	193,653		***	503	(a) 124,600	J	-
853.	***	***		88,542	1884-85,	***	395	(a) 122,519	2.758	211,50
854.	***	***	154	55,454	1885-86		296	(a) (b) 79,678	1,855	115,64
00%	***	***	123	49,293	1886-87		219	(a) (b) 59.192	911	75,44
855,	***	***	98	35,180	1887-88	***	181	(b) 48,802	668	50.73
856,	***	***	108	32,510	1888-89,		148	(6)31,773	613	33.5
857,	***	***	114	31,674	1889-90,		189	(b) 25 677	850	38.43
858,	***	***	112	35,524	1890-91.		213	(b) 29,756	737	43.8
859,		***	111	29,334	1891-92		207	(6) 30,804	836	41,5
.860	***	111	135	26,902	1892-93.		292	35,871	937	43.6
861	***		154	36,656	1893-94		325	32,321	748	41.1
862	***		184	61,375	1894-95		342	33,080	776	
863.			138	58,830	1895-96		305	(b) 34,087		36,8
864.			132	58,430	1896-97	***	303	(b) 30,683	708	37,5
865			90	46.215	1897-98.			(6) 80,003	729	32,3
866.			98	26,295	1898-99.		347	34,016	187	32,6
867.			145	39,180	1899-1900		344	38,677	928	38,9
868.69.			179	64.973	1900-1901		294	38,900	625	38,96
869-70.			166	83,775	1901-1902	***	300	34,464	556	28,5
870-71,		***	159	77,960	1902-1903	***	504	39,149	1,098	34,11
871-72,			160	82,555	1903-1904		584	37,330	1,190	41,63
872.73:		***	223	76.290	1904-1905	141	620	37,658	1.318	48.8
872.74	***	***	224	99.572	1904-1905,		569	42,408	919	53.26
874-75	***	***			1905-1906,		449	35,499	706	36.3
875-76.	***	***	245	102,006	1906-1907		481	35,627	619	28.00
876-77.	• • • •	***	265	98,730	1907-1908		569	36,270	717	25.3
877-78.	***	***	218	121,405	1908-1909,		676	42.138	800	29.73
878-79.	***	***	278	121,345	1909-1910		799	47,060	810	30.2
810-19.	***	***	319-	125,370	1910-1911		912	54,511	1.05 2	36.9
879-80,	***	***	2,607	224,810	1911-1912		895	58,478	92 3	45,2
					1912-1913.	***	1,114	66,399	1.056	41.6
. Ca	mied /	orward,	10,387		1913-1914	***		00,399		
				1	1914-1915	***	1,289	83,357	898	43,5
			1		1915-1916.	***	593	88,914	372	37.6
			1 -		1916-1917	***	7	18,949	4	5,30
			1		1010-1917,	***	nil	2,685	nil	45
	Including		1		1		27,143		34,181	1

LAND IMPROVEMENT ACTS, 10 Vic., c. 32, &c.

On the 10th August, 1915, this class of loans was suspended, and consequently no loans were sanctioned during the year ended 31st March, 1917. The following table gives the number of Land Improvement Loans made under the above Acts, and the sums issued in the several counties of Ireland up to the 31st March, 1917.

> year ending 31 Mar. '17.

SCHEDULE showing the NUMBER of LOANS and AMOUNTS ISSUED from commencement of AOT.

LHERSTER		ı				
Clarkow	305	124,431		£		2
		129/131	-	65	365	124,49
Dublin		119.079	-	233	450	119.31
Kildare .	. 652	185,853	- 1	450	632	185,28
Killmany	855	120,102	- 1	25	855	100,26
King's	. 372	85,749	- 1	160		120,12
Longford		194,852			372	85,849
Dangtora			- 1	24	495	194.87
Louth		54,824	- 1	-	170	54.82
Mosth .	748	246,288		197	748	246,381
Oseeti's	655	190,296	- 1		655	190,29
Westmeath	. 508	124.102	- 1		506	
Wexford	819	177,867	2 1	-		124,105
Wisklow	565	177,367		-	819	177,867
WHENOW	- 060	158,577	- 1	260	585	158,837
Totals	. 6,655	1,782,025	- 1	1,234	6,655	1,783,265
Munayan						
Clare	. 771	195.000		32	771	***
Cork	2,513	532,897	2 1	515	2.512	195,034
Karry		032,007				532,312
Marry		507,716		110	1.194	507.83£
Limerick	2,087	477,848	- 1	216	2.007	478,050
Tippersty	2,138	325,648		165	2,138	325.813
Waterford .	681	132,582	-	100	681	132,582
Totals	. 9,383	2,171,488	-	1,098	9,383	2,172,586
Utaren						
Antrim	. 287	143.460	_		267	
Armorh				-		143,460
		24,933	-	-	36	24,933
Cavan	. 296	69,519	-	28	205	60,547
Donogal .	. 397	192,805	-	13	347	192,819
Down .	. 978	113,134	-		275	113,134
Formanach	338	98,897			230	119,134
Condonderry						98,897
		84,465	-	- 1	279	84,465
Monaghan	. 139	48,010	- 1		139	48.010
Extene	. 398	157,737	- -	-	396	157,737
Totals	. 2,381	923,961	-	41	2,381	924,002
CONTAUGET						
Salway	2.00	****	- 1			
SMWRY .	. 1,047	412,093	-	169	1,047	412.093
etrim	. 245	78,790	-	- 1	246	78,790
Marro	. 589	237,999	- 1	149	589	237,999
Roseammon	825	245,939	- 1	194	625	245,939
Rigo	363	145,135	- 1	194	363	145,136
Totals	2.000	1,119,957		363	2.869	1.129,469
GRAND TOTALS	. ajete					
	. 21,288	5,997,431	- 1	2.885	21,288	6.003.318

Main and Thorough Drainage or other Field Works.

The number of Land Improvement loans sanctioned for works of which thorough drainage or other field work forms the principal part, is 8,514, for £3,784,092

Planting Trees.

Since the passing of the Act 29 & 30 Vic., c. 40, under which advances are made for this purpose, 157 loans, amounting to £37,945, have been made.

Farm Buildings

Under this head 11,530 loans have been sanctioned since the passing of the Ant 13 & 14 Vic., c. 19, the amount being £2,075,795.

Dwellings for Agricultural Labourers.

The number of loans to persons qualified as owners under the Land Improvement Acts, for the erection of such dwellings sanctioned since the passing of the Act 22 Vic., c. 19, which first authorised them, is 1,037, for £412,684.

Under section 19 of the Land Law (Ireland) Act, 1881, loans were made to tensut farmers, who, as a condition attached by the Irish Land Commission to the fixing of a "fair rent," proceeded to crect lahourers' dwellings on their holdings. Two hundred and sixty such loans, amounting to £15,275, were sanctioned under the Act since it came into operation, the instalments issued amounting to £13,880.

This section became inoperative after the passing of the Acts empowering Local Authorities to horrow for the erection of labourers' cottages.

LOANS TO TENANTS FOR IMPROVEMENTS OF HOLDINGS, OR " LAND LAW LOANS."

Land Law (Ireland) Act, 1881, Section 31, No. 30 in Abstract, p. 26; The total number of loans sanctioned under this head is 24,046. The aggregate of the amounts sanctioned is £1,840,457, and the instalments issued amount to £1,637,032.

The following table gives the distribution by Counties of the sums issued for all

classes of work under the 31st section of the Land Law (Ireland) Act, 1881, from the passing of the Act :--SCHEDULE showing the NUMBER of LOANS SANCTIONED and AMOUNTS ISSUED Number of Loans America Sanctioned. Total Issues. Year PROTESTS AND Vesz To Slat Marsh, coding To Slan eading 31st Total ending Slet Slet Massh Number March March, 1917. Lainerin £ Christy 298 27.385 97.385 23 081 08 0 97 38,036 33 38,069 358 41,467 41,467 Kilkenny 51.785 46.386 34,395 29,496 65 Longford 35,405 35,405 31,231 Louth 183 67,395 67,395 50,807 Open's 423 423 36,280 36,250 34 30,844 Vestmeath 521 51,005 51.005 44,714 468 86,930 \$6,939 34.502 67 Wicklow 440 446 36,320 32,266 36,320 32,266 Totals 5,074 5.074 482,963 482.035 427,780 335 428 113 Минатив 1.260 1.969 90.545 99.545 80 649 98 Coels 282,685 282,685 253,789 253,842 1,591 1.591 109,793 109,795 Limerick 3,030 203,865 203,805 184,001 184,696 184,320 40 362 25,136 25.136 Totals 12,505 12,596 800,000 899,000 803.325 146 809.471 ULBYER Antelay 155 14.525 14.325 18,030 18,030 Armagh 8,795 7,423 45,212 7,423 8,795 800 890 52,675 201 20.714 20,714 13,300 Down 13,500 Fermanagh 17,969 17,960 Londonderry 13,905 13,995 12,362 18,362 Monaghan Tyrone 23.515 28.515 19.369 19.369 Totals 2,534 2.534 181.067 181,067 150,276 156,276 CONSAUGHT Galway 701 797 60.710 60 710 59.757 14 52,771 37,541 66,742 41,900 37,541 686 Мауо 1.042 1.042 56,742 Reseammen 51,940 687 51,940 44,867 digo 41,251 641 45.840 45,840

277,365

24,946 1.840,457 277,365 243,158 14 243,172

1,840,457 1.636.539 493 1,637,932

Totals:

Grand Totals

3.843

24.046

CLASS IV .- MISCELLANEOUS LOANS.

Glebe Loans, No. 32 in Abstract, p. 26.

No now loan was smotioned during the year, but \$1,522 was advanced in respect of leasu perviously amentioned. Since the passing of the first Act, in 1870, 2030 applications have been received, in expect of which a total mun of \$12,218 at least applications have been received, in expect of which a total mun of \$12,218 at least applications have been advanced mone of which has been lost or remitted, the arream of \$12,218 at least min Appendix being merely cassal. The following is an abstract half and accident of the which is seen were made wholly or in part to the \$13,124 March, 1st Jennicola and the statement of the statement of

Deno	No.	Amount.			
Roman Catholic,	 			1,067	£462.017
Church of Iredand,	 			330	157,407
Presbyterian,	 			232	77.275
Wesleyan and others,	 	**		106	34,109
		Total		1.735	730 808

CLASS V .- IRISH CHURCH FUND LOANS.

No loan or advance under previous loans was made from this fund during the year.
Ont of \$1,268,933 advanced from the Irish Church Fund under the Relief of Distress (Ireland) Act, 1880, £1,189,072 has been repaid, 248,692 has been remitted, and of the balance £32,1285 outstanding, £17,409 is not yet due; \$7,580 is regarded as

irrecoverable, and £5,180 is in arreat.

The rate of interest due on these loans is 1 per cents, but borrowers are allowed by redoem their principal liabilities on the basis of 3 per cent. interest. The principal cancelled by such redemptions now amounts to £48,682, including £21 in the present year.

APPENDIX (D.).

REPORTS FROM HARBOUR MASTERS.

Donaghadee Harbour, County Down.

Imports.—Coal and Coke, 16,520 tons; other goods, nil. Exports.—Potatoes, 40 tons.

Excluding fishing boats, the following are the total number of entries made of vessels using the harbour:—Trading, 78; windbound, stress of weather, &c., 34; washts, 7.

Fishing	Sesson		Number of			
From	To	Herr	ings	Other	Bosts Fishing from	
N TOTA	.:	Quantity	Value	Quantity	Value	Harbour

In addition to above vessels using the harbour, it has been used by H.M. patrol boats and other boats on Government services.

April, 1916 March, 1917

2]

KINGSTOWN HARBOUR, COUNTY DUBLIN.

Imports.—Coal and Coke, 67,874 tons; sleepers, 1,012 tons, Exports.—Timber, 80 tons.

RETURN of Fishing for year ended 31st March, 1917.

	Month			Herrings	Other Fish					
	1916		Moano *	Value £ s. d.	Owto.	Value				
April	***		_		142	£ s. d. 314 12 6				
May			-	-	52	124 9 0				
June	***	***	_	-	145	148 0 0				
July	***	,	10	9 0 0	131	180 0 0				
August		***	16	23 5 0	133					
Septem			_	_	143	140 3 0 171 0 0 194 5 0				
October		***		-	1.86	194 5 0				
Novem Determ		***	-		159	200 0 0				
Docemi	Der	***	-		202	251 14 '0				
	1917									
Januar			-							
Februa		***			166	186 0 0				
March	ry		_	-	124	142 15 0 108 0 0				
mucu	***			-	108	108 0 0				
	Totals		26	32 5 0	1,661	£2,010 18 0				

^{*}A messe represents 635 herrings,

RETURN of tonnage and number of Vessels using Kingstown Harbour during the year ended 31st March, 1917.

MonAb	Trading Voor discha	ostols loading rging rango.	for sholt	oring Harbour ser, bunker rders, du.	Yachis v Har	Way Department Vessels	
	Steam.	Sailing	Steam.	Beiling.	Steems. Sailing.		1 .
	No. Tons.	Ne. Tons.	No. Your.	No. Tons.	No. Tons.	No. Tons.	No. Zumage
April, May, June, July, August, September, October, November, Descenter,	24 9,414 14 9,203 20 8,267 24 5,064 17 2,480 18 5,364 17 2,423 18 2,266 6 1,784	1 1	94 4,207 6 631 5 908 8 226 1 85 2 193 6 2,008 10 4,307 2 216	13 1,150 9 415 3 116 1 77 5 314 10 701 18 993 14 1,317 15 162			19 14,589 1 2,660 1 995 1 124 1 124 6 4,992 1 100
January, February, Maceb, Totals,	19 1,646 10 1,931 11 2,034 148 19,421	= =	2 198 08 08 17 6,940 60 18,823	10 874 11 1,085 16 1,688 139 8,808	E E	ΞΞ	2 150 2 347 1 40 \$5 22,651

Norm.—In addition to the above the following vessels regularly use the harbour, vin. —— 3 Mail steamers, S krish Lighton steamers, 2 pilot bonds, 35 smaller curft, also a flost of H. M. pated vessels, union everyors and nexts luminosis.

The fairway has been kept clear for the mail steamers; no casualties of any importance have occurred.

HOWTH HARBOUR, COUNTY DUBLIN.

Imports —Coal, 4,085 tons; salt, 345 tons.

Exports.—Pickled herrings—barrels, 2,559; half barrels, 1,038; total weight, 574 tons. A barrel contains about 800 fath. Stone, 150 tons; Timber, 911 tons.

22 APPENDIX (D) TO EIGHTY-FIFTH REPORT OF THE [1916-1917

Excluding fishing hoats, the total number of entries made of vessels using the harbour was:—Cargo vessels, 36; windhound, &c., 5; yachts, 9.

RETURN of Fishing for year ended 31st March, 1917.

Fishing	Season									
From		Herrings			Other	Number of Bonta Fishin				
	To	Quantity	antity Value			Quantity	Value			from Harbour
		*Measo	£	ŧ.	d.	2.496 hundreds mankem	£ 378	s. 7	d. 0	110
1st June	31st Oct.	27,682	40,898	11	θ		5,987	θ	0	
						26 dozen lobeters	30	0	0	

In addition to the pickling of herrings, smoked kippers to the amount of 22,000 hoxes of 50 each were prepared, the price realised heing £7,700.

The beats used in the fishing included 11 motor beats, 28 steam drifters, and 17 salling beats. Of the total number (110) of hosts fishing, 27 were Ixid, 38 Cornisis, and 2 Manx. There was a great reduction in the number of seton drifters fishing, probably owing to Admiraty requirements. The persons employed in earling herrings numbered 48 women and 16 men. Hook-line fishing was very good.

ARDGLASS HARBOUR, COUNTY DOWN.

Imports.—Coal, 1.938 tons : salt, 495 tons.

Wishing Sosson

Exports.—Potatoes, 852 tons; *salt 200 barrels; *barrels empty 1,700.

Excluding fishing hoats, the total number of entries made of vessels using the harhour was:—Steamers, 28; sailing, 1.

RETURN of Fishing for year ended 31st March, 1917.

From		Ho	rings	Other	Number of Boots Fishing	
	To	Quantity	Value	Quantity	Value	from Harbon
lst April, 1916	20th Oct. 1916	Mcsas 25,581	£ s, d. 31,417 15 0	out 44	£85 10 0	117

*For consigner's own use in Tale of Man.

DUNMORE EAST HARBOUR, COUNTY WATERFORD,

Imports.—Coal, 1,366 tons; salt, 345 tons; cement, 70 tons; saw-dust, 4 tons; boards, 14 tons; chips, 4 tons.

Exports.—Oats, 36 tons; bariey, 2 tons; pitwood, 16 tons; salt, 14 tons.

Excluding fishing boats, the total number of entries made of vessels using the harhour was:—Trading, 24; for shelter. 4.

40 Fishing boats entered the harhour for shelter during the year.

1916-1917] COMMISSIONERS OF PUBLIC WORKS IN IRELAND

23

RETURN of Fishing for the year ended 31st March, 1917.

Fishing	Scanon		Number of			
From 18th April 20th Nov		в	errings	Other	Fish	Boats Fishing from
	To	Quantity	Value	Quantity	Value	Harbour
	3rd July 28th Jan.	Crans 10,523	£ s. d. 26,437 10 3	1,075 cwis.	£ s. d. 351 15 8	94
				219 dozen lobstees 107 dozen erabs	131 14 0 12 5 6	

APPENDIX (E).

NATIONAL AND ANCIENT MONUMENTS.

Irisb Cburch Act, 1869, 32 & 33 Vic., c. 42; Ancient Monuments Protection Act, 1882, 45 & 46 Vic., c. 73; Ancient Monuments Protection Act, 1892, 55 & 56 Vic., c. 46; and the Irish Land Act, 1903, 3 Ed. VII., c. 37.
During the year the following monument was offered to the Board by the Estates

Commissioners, under Section 14 of the Irish Land Act, 1903:—
Stone Cross in townland of Reenconnell, County Kerry.

The following monuments have been offered by the Congested Distriots Board :---Moytura Cairns, on Estate of late Lord Ardilaun. Abbeytown Abbey, County Sligo.

The guardianship of the following was offered to the Board by a private owner:

Stone Circles. near Cong, County Galway.

Aghalshard Outele,

Castleduff.

Castlekirke "Cannistown Church, County Meath.

Of there the Board have accepted Cannistown Church. The question of accepting the guardianship of the other monuments was under consideration at the close of the year.

During the past year replacs varying in extent have been effected at the following Morional Monuments vested under the provisions of the Irich Church Act of 1899;—Timolosgue Abbey, County Orri, Haban Churches, King's County; Kiflenors, Derek, County Cherry, Barban Churches, County Marry, Marker and Church, County Marry, Church and Abbey, County Mayor, Aghapower Round Tower, County Mayor, Gundedoga Churches, County Mayor, Aghapower Round Tower, County Mayor, Cincidending Churches, County Mayor, Services, Services, County Churches, Capital Churches, Ch

The tollowing monuments entrusted to the guardianship of the Board under the provisions of the Ancient Monuments Protection Acts, 1882 and 1892, have also been repaired:—Parkavoneer Castle, County Kerry: Dunsoghly Castle, County Diplers, Askeston Castle, County Limerick;

Burrishoole Abbey, County Mayo; Burriscarra Abbey, County Mayo; Hospital Courch, County Limerick. Various minor repairs to other structures have been carried out.

Amounts Denited in ADTAINED TO BUSINESSALE rancestage In the Year ended that kind, the Trial up to the

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APPENDIX (F) TO EIGHTY-FIFTH REPORT OF THE

The following is an Azernacy of Loane made by the Commissioness of Puzza World, there's

F1916-Ists

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•		6.	4		-	mal.
	L. PUBLIC WORKS LOANS, 1 & 2 Wes. IV., c 33, and 60 and 41 Wes, c 37. CLASS I.—Loans SECURED ON Theorems, was.				5 4 4	
						1 40
m. IV., o. 33,	Local Boneda, not Sunitary Authorities, and Public Companies.	1	- 1	186,534 0 0	1,935 18 9	486 1 1
h ,	Inland Novigotion,	-	-	114,297 6 3	-	-
,	Baireys,		-	1,868,127 14 1	4,801 17 1	MR III
2 55 Vio., o.	Queering, Mixes and Missellaneous,	16	- 1	380,777 19 2	10,071 10 4	8,814 () 1

m. IV., c. 55. Hartstern, Dooles, &u. 886,584 13 480 11 6.566 Registration of Waste Lands 130,653 29 A 50 Vio., c. 44, Labourees' Decellings in Towns. . 149,911 15 2,464 22 Housing of the Working Classes, (See also Class 2, No. 17). 28 494,359 0

(20 & 30 Vis., c. 46,) 4,861 (6.1 STANKE ! CLASS IL-LOWS PROPERT OF 1 & 2 Wm. IV., c. 55; and \$1 & 52 Vis., c. Coursey Councils, for Boads, Course Houses, &c. 166 17,655 14 2

Reads and Bridger, . 204 444 11 40 & 41 Vis., ec. Public Profitions-P 44 & 45 Vin., c. 29; 46 Vin., c. 19 0 20de, VII., c. 67. Vin., c. 3. leferrentories and Endonnelal Schools : comes under Christeen Ace. 1938. 10 68,950 1,100 1 0 Fishery Piers and Harbourn F3,544 17 57 Geo. 11L, c. 34.

Public Works Lowes, 401.444.10 18 & 17 Vic., c. 156, Receive of Finbery Pices and Harbourn, 55.617 19 & 10 Vic., e. 62, Materianana of Navigation Works. 2,469

1 A 2 Gao, IV., o. 53 13 A 15 Vic., a. 100 Lunavic Arrhuma Bulbilesse. *** 15 & 19 Vic., a. 100 43 and 49 Vis. c. 72 ; and 33 & 54 Vis., c. 70, & 6 Edw. 7 c. 30 4 550 A 4 3,196,189 5 56,645 1 H 12 Housing of the Weeking Cla-193 97.007 5 30 1,559,550 20.466.5 16,410 10 26 & 39 Vin. e. 36. Articana' Desiliane. 81,000 0 10

27 A 28 Vic. c. 23 ; 41 h 42 Vic. c. 52, 45 h 46 Vic. c. 47 Public Health. 1.740 4.221.201.15 04.007 ALTE: 5 Ertigratico, 11,775 45 A 47 Vie. o 60 Labercom Asta

1,223 14,101 11 3,473,529 o 20.854 2 45 & 49 Via, a 77 Directorary Houses, . 290 775 235,162 19 4.990 H. I 6.747 17 61 & 62 Via. c. 37 Workhouse Buildings, 4,355 1 1 200 200,882 2 9,154 12

eec. dl. 62 & 65 Vie., c. 44 Acquisitive of Small Dwellings. 240 1 1 4,566 118,715 18 0 5,435 12

60 a 63 Vio. e. 50. . Appleciance and Technical 25 120 17 44.950 0 0 1,127 15

225,726 0 2 243,547 16 1 16,126,973 19 4

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116-1917. COMMISSIONERS OF PUBLIC WORKS, IRELAND 95 arrians and Repayments in the Year, the Total Advances and Repayments to the 31st March, 1917, the he Balances Outstanding START AND BY DOWNER. RALANCES CUSTOMANING Agricult Ferryways on Stat March, 1822. 2004 to 1140 March, 1007 Nomited. North-94her Amerik puer 10 9 95,912 9 11.04 0 mars 11 2 197 450 13 10,660 9,959 15 P.668 1s o SEC01 0 9 \$35,854 S 10 125,190 98,994 18 92,517 18 11 204 18 10,046 10 141307 12 12 233,510 24,694 0 0 454.767 4 83.622 9 13.9% 10 119,544 1,771 13 105 17 6 12,000 6 130,665 2 121,000 1 1,962 16 10 2,557 21 7,621 4 11 89 15 10 69 15 10 95,227 13 2 117-097 7 11 131,421 5 7 27 16 8 1 674 394 3 3 4 142,491 4 4 142,500 4 2,004 8 3 ROAD 8 4 105.810 11 4 100.718 16 164.602 4 1 4.691 11 11 5.201 12 10 2600 6 0 8.554 18 11 10,253 11 11 0.000 15 2 10 SC333 6 2 202,602 5 14 7.911 11 13 5.025 13 4 1/09 1 9 9 12 DALING 5 6 895.572 9 1,019,807 16 25.06 15 9 1.142,750 279,874 13 FL000 & 0 35,435 19 2 OVERSO TO 4 1,633,889,19 0 2,385,235 14 10 19 U.765 3 10 20 2,513 18 84329 IR 3 20 L976, 925 S DELICE 15 4 129,719 10 117,424 3 10,110 10 1 129,583 18 # 22 74,329 6 24 **17,414 4 7** 17.458 3 11 71,771 13 5 tore a re 20,827 20 7 10,766 0 11

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PRESCRIPTION ADVANCED OF BORROVERS In the Year orded Nat Much, by PERFORMS FOR WHICH ADVANCED. Total up to the tiet March, 1997. Principal. Diame CLASS III.-LOANS SECTION OF 4 4 .. 848,937 17 25 & 27 Via. o. 56. Blesc Desiners. 13,654 6 1

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1,246 450 0 0 298,122 11 8,331 5.00 2 1

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APPENDIX (F) TO EIGHTY-FIFTH REPORT OF THE

The following is an Austrace of Loans made by the Commissionems of Punizo Womes, showing to

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National School Trackers' Residences,

Total Current and Unchood Ser-

Nan-Vested Schools and Training

Add Total Closed Services,

Gross Total Local Loans Ford

II. IRISH CHURCH FUND LOAMS CLASS L-LOANS SPOTERS OF BAYES.

CLASS IL-LOANS SECOND OF LANSE.

Total Irish Church Fund Loses,

10 Vic., c. 33, &c. 1 64 & 45 Vic., c. 49, 10 Vot. e. 30, e. 15, 44 & 45 Vic. e. 49,

29 A 30 Vin., a. 40, 43 & 44 Vin., a. 14, ma. 18

Colleges.

Baronial Works.

Relat of Distress,

Relief of Distress Greats, .

Improvement of Lends.

III. Sood Supply, &c.

Grand Total

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3.5 43 Tlours, 41, 42 Ar44

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23 & 36 Tio., o. 112,

16 & 20 Vic., c. 62, ..

47 & 45 Vin. c. 22. .

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2 and 8 Geo. Y. c. 80

Office of Public Works: Dublics.

COMMISSIONERS OF PUBLIC WORKS, IRELAND. (1)6-1917.] almagest and Repayments in the Year, the Total Advances and Repayments to the 31st March, 1917, the de Balancos Outstanding-continued. grants pad by Sonowen. BALLINCE'S Overheading against Scott water on 11st March, 1817. Deal to 11st March 1915 Dissipat e08,989 14 B 044,750 17 11 1e13,755 6 7.555 8 0 4.222 1 5 1 250 10,505 1 4 16.200 9 13 5 9.500.962 9 6 (2)07,777 14 8 12,772 14 6 5.036 5.11 L303,597 30 0 100,991 4 3 5,318 8 301 20 180,742 4 8 258 3 1,101,103 11 6 5611,959 A D 14.006 0 0401 39 1 4 999 16 416,103 16 11 fee 12 9 30 201.003 15 1 424,943 8 13 0.111 5 20 2 4 6 663 11 191,272 15 10 1,662 16 19 18 754,075 19 1 3.523.730 In 4 49,421 14 x422 2 8 estes in n 3.447.340 1X 132,115 1 4 415,199 13 6 192,009 2 10 147.499 3 2 149,295 11 0 159,122 10 11 0. 28 85.000 to 8 47,054 19 ¢ 73.592 2 546 Thi T 210 TOT 5 6 11 797 004 7 7 100 10 153 750 14 10 122 003 0 6 145 953 19 2,093,200 10 9 (\$1,000.075 a. c. (7123.104.848 0.3) S. 113.615 18 (6.180.705 18 1 423 2 4 155,589 14 10 130,000 b 7 9,145,250 19 11.531

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J. L. COLLINS Accountant.

ior, 15 Sub-sec. S. of the National Best and Social Norma Act, 1997, 69 dt St. Vin., e. 16. in in Sprynn. Uniqued to respect of Louise which have been written of the Assets of the Assets Assets remaining the Public Louise of Louise from the Schie Chamin Plant under 40 Net., c. 4, if regarded as bronzestskie.

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Ateces.	Page.	Than or Account.	No.	CER OF		Batolini,
DA.		Parliamentary Votes and Grants, viz. :- 1. Public Works and Buildings, Ireland. 2. Public Offices Side (Publis) Acc. 1968 (Non-Voted Account). 3. Railware, Irelands Act. 4. Railware Act. 1898.	£ 27.510	e. 6	d.	ž ,. 285,844 5
		Offices State (Publish and State (New-Yorks Account)). Scalberry (Principles Acc. Ballery Acc. Books (Principles Acc. Ballery Acc. Books (Principles Acc. Ballery Acc. Books (Principles Acc. Books (Principles Acc. Books (Principles Accessed Accounts). S. Public Works (Principles Accessed Acc	,			200,784 5
į		Loans Advances,	27,776	17	0	120,000 g
12		Loans Repayments,		-		761,251 9
7		Land Improvement Preliminaries, 10 Vic., c. 33, sec. 15, .	35	1	2	£3 18
-		Advances to Local Authorities by way of Losa to Purchase Seeds and Manures		_		20,000 0
		Sea Fisheries, Ireland, 46 & 47 Vio., c. 26	1,097	5	3	-
		Mincelineaus Service, viz. >- 1. Depoit Accounts, 1 & 2 Wes. IV., e. 53, &c. 2. Belliway and other Arbitrations Depost Accounts, 1 & 2 2. Belliway and other Arbitrations Depost Accounts, 12 2. Belliway and other Arbitrations Depost Accounts, 12 2. A. 2. Belliway and Arbitration of Arbitrati	12,224	12	11	32,381 4
		Total,	68,644	2	11	1,219,420 16
_ -		An Accoust showing the RECEPTS and RES	PENDETURA	of	the	е Соминаток
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						147,776 17
ì.		payments his Work Loans :				
	Ch	Amount received in repayment urch Fund Lonn:-				749,635 6
		Amount received in repayment				11,616 2
	G ⁱ L	and Improvement Preliminaries				761,251 9
	To Be	Becoipts bence from last Account			1	95.1
		Amount received from Proprietors in repayment of preliminary expenses				93 18
		Amount received from Proprietors in represent of				

Office of Public Works, Dublin,

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For details of the Advances and Repayments, see Appendix F.

COMMISSIONERS OF PUBLIC WORKS, IRELAND

1916-1917.] ACCOUNTS. of Sums intrusted to their Management for Collection or Disbursement for Year ended 31st March, 1917.

de nose urrestina Stati Minerita, 1967.	¥2,	Tuesdo		Overdrams Federaces from Accounts to 1222 March, 1344	Paig	Subgroup on Stat March, 1971,	YOUALS.
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J. L. Cozarea, Accountant

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Expenditure. By Amount paid for proliminary investigation, advertising, sorivenery, &c.

By Amount Advanced

APPENDIX (G) TO EIGHTY-FIFTH REPORT OF THE [1916-1917 (G 5.)—ARTERIAL DRAINING These Works are executed by District Boards is SCHERDULE.—ABSTRACT OF FINAL AWARDS, and Altern, &c.

				-				Estroption vi
					ъ ъ		6 4 6	4 . 4 '
bboy River,	Meath,		4th April, 1909, .	1,388	0 27	8 0 5	569 14 6	e
dinserety.	Limerick,		2nd Oct., 1876, .	179	0 5	7 1 8	82 5 1	
Mysdama,	Queen's,		9th Oct., 1883, .	823	2 0	4 5 8	204 15 0	7 18 04 20
dycelliton, .	Thypercary, .		9th Oct., 1891, .	267	1 19	4 14 6	93 T S	a
dynsoserig	King's and Queen's,	-	9th April, 1908, .	2,546	1 23	2 7 5	\$16 14 0	0 a
Dyteigus & Künsers,	Waxieri,		9th Oct., 1665, .	3,993	3 22	3 9 10	1,335 4 9	311 33 2 H
Itenony	Kildnes,		13th Mac, 1825, .	1,955	2 10	4 0 5	566 4 3	0 4
enakyla,	Limeriak,		3ed April, 1883, .	1,007	1 35	9 35 1	607 19 9	1 85 E 4. 1
olinaria.	Kire's		9705 Mar. 1975	995	3 20	3 7 1	197 12 8	-

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Decrintough, .

Douglas Biver.

Farney Bridge,

Follistown.

Do.

Frankford Biver

Gardenown and Daleie

Do.

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inny, Upper, .

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Elphin,

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9th Oct., 1862.

9th Oct., 1990, 4,754

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20th Mar., 1934,

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9th Oct., 1871,

6th Oct., 1907.

Sch Oct., 1974, .

Slet Mar., 2875, . 1000 1

26th Mar., 1672, .. 3,395. 3 15

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9th Oct., 1592,

4th April, 1884,

3rd April, 1682.

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6h Oct., 1973,

9th Onl., 1661

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Gully-

Gally, Upper. Hogse's Pass

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theremder, for the Year ended 31st March, 1917.

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4.723 IS 0 1.394 19 12,702 14 4,517 11 5.377 34 4.842 8 0 84,553 12 9

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APPENDIX (G) TO EIGHTY-FIFTH REPORT OF THE [1916-19/7 (G 5.)-ASTERIAL DRIEKER. Those Works are executed by Dietrict Bosch is

Screenium.-Assertant of Final Awards, and Armen &.

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Ethnetolis,	Tippseary,	26th Joly, 1870, .	1,581 1 19	6 10 7	582 12 2	a-	
Laracce,	Meath,	Sed April, 1880, .	879 1 22	7 9 7	994 12 10	57 13 g	×
Lerr Birez,	Kildsre and Carlow, .	9th Oct., 1885, .	1,684 3 20	16 8 11	636 5 9	77 15 7	31
Lough Erns,	Cavan, Donegal, Fer-) managh, & Monaghan,	44h April, 1991,	15,327 0 16	11 16 11	4,716 11 0	1,883 [1 4	4

De. (Navigation). Lough Oughter. 4th April, 1973. . 3.077 1.30 Miliard, Cork, fth Oct., 1887, 1,015 0 10 Morning Star, Upper, Limeriols. 4th Awd, 1888.

Limerick, 20th Sypt., 1977. 4th April, 1883.

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3rd April, 1905, .

4th April, 1983.

a Pryskle by proprietors.

Total for all the discusse.

9th Oct., 1834.

44b April, 1862, 5,554

44h April, 1888.

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APPENDIX H.

Perpose of Loan.	Arthorising Arts	Hote of Introcat per cock, on 11st March, 1007,	Meatures Penal of Repayment,
	LOCAL LOANS I	fund,	
	Loans secured an Lo	est Rates.	
 County roads, bridges, and court-because. 	1 & 2 Wm. 4, c. 83, s. 28, amended by 82 & 33 Viot., c. 74, s. 1.	1	30 years.
 Court-houses erected by the Board. 	6 à 7 Wm. 4, c. 116, s. 70.		1 year from completion of world
. Bridges between counties, .	msnded by 4 & 5 Wm. 4, c, 61, 2 & 8		30 years.
 Public works generally, in- cluding commercial her- bours, deckt, captile, and bridges chief than county bridges. 	1 & 2 Wm. 4, c. 38, with local or special Acts.		25 усата.
i. Fishery piers and harbours, countraction of.	9 Vict., c. 3, and 29 & 30 Vict., c. 45.	Not exceed- ing 80 years, 51	25 years.
 Leans to Trustees of Drainage Districts carried out under the Act 5 & 6 Vict., c. 80. 	48 & 44 Vict., c. 14, s. 18.	10 " 53	13 years.
T. Repairs of fishery piers, .	16 ± 17 Vict., c. 136, sec. 11.		1 year from completice of sur
Maintenance of navigation vorks.			Ditto.
Renigration,	45 & 46 Vict., c. 47, ,	1	20 years, 80 years,
	40 & 41 Viol., c. 15 &		25 years
(b) Reformatories, .)	c. 54.		
(e) Industrial Schools,	8 Edward 7, c. 67,		35 years.
*Dispensery houses, areotica	42 & 48 Vict., c. 25, .		50 years.
. *Lunatic saylenza buildinge, erection of, &c.	8 & 9 Viot., c. 107, 18 & 19 Viot., c. 109, 40 & 41 Viot., c. 27, 55 & 57 Viot., c. 65, and 61 & 62 Viot., c.		50 years.
Sanitary improvements, Waster cupply, sewerage, fig.	48, 41 & 42 Vict., c. 50, and 50 & 60 Vict.	Not exceed- ing 30 years, 51 50 , 52	50 years.
	c. 54, g. 29. 61 & 62 Vict., c. 37, s. 61,	i .	50 years.
Small Dwellinge Acquisition,			30 years.
Agriculture and Technical Instruction.			40 years.
Housing of the Working	58 & 54 Vict., c. 70, and 8 Edward VII., c. 51.	54	80 years.

Delivery and Troceres 1 & West IV, a 10 & 5 & 2 & 2 & 20 & 20 & 20 & 20 & 20 &	Astend drainage works, Maintenance of drainage works, Railways and Transways, Hartours, Dobbs, Canaba, La Loose under the Hartours Maintenance of the Hartours With collaboral security, Without With collaboral security, Without Constant Collaboral security Without Without Constant Collaboral security Without With	Loans not covered on 18, 22 & 29 Victs, a. 19, 22 & 29 Victs, a. 19, 23 & 29 Victs, a. 19, 24 & 29 Victs, a. 19, 25 & 44 Victs, a. 27, 24 & 20 Victs, a. 27, 27 & 38 Victs, a. 27, 29 & 30 Victs, c. 69, 1 & 2 Wm. IV., c. 35, & Transways Act, 1869, 1 & 2 Wm. IV., c. 35, a. 20 Victs, a.	coal Rates, 1 during program di vertes, roban- quanty 54.	interest during pre- great of works; re- gravible by annuity to 22 years, or 45 years. Vattous periods, not unsaily exceeding 12 years. 25 years. 20 ;
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Montemance of Guideng 29 & 30 Year, s. 0.	Maintenance of drainings works. Railways and Transways, Hactours, Dooks, Canab., 1 and Passing Tolls Act., 1 and 1	30 à 40 Vict., c. 27, 30 à 40 Vict., c. 29, 29 à 30 Vict., c. 49, 1 à 2 Wm. IV., c. 38, à Teamwaye Act, 1889.	5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	interest during pre- great of works; re- gravible by annuity to 22 years, or 45 years. Vattous periods, not unsaily exceeding 12 years. 25 years. 20 ;
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TRAMWAYS AND PUBLIC COMPANIES (BELLS

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APPENDIX (J) TO EIGHTY-FIFTH REPORT OF THE

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(b) Sligo and Belmullet Steamer Service (opened June 1st, 1800),

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J. L. COLLINS, Accounted.

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